



HP G71t-300 Thermal Paste Replacement

Thermal paste is the conductive bridge between the heat sinks and device components meant to maximize heat transfer. This guide is meant for users experiencing overheating problems with their device.

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INTRODUCTION

The thermal paste is usually replaced in conjunction with the cooling fan. Therefore it is a good idea to replace the thermal paste while the laptop is being disassembled to save time.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Metal Spudger](#) (1)
- [Magnetic Project Mat](#) (1)



PARTS:

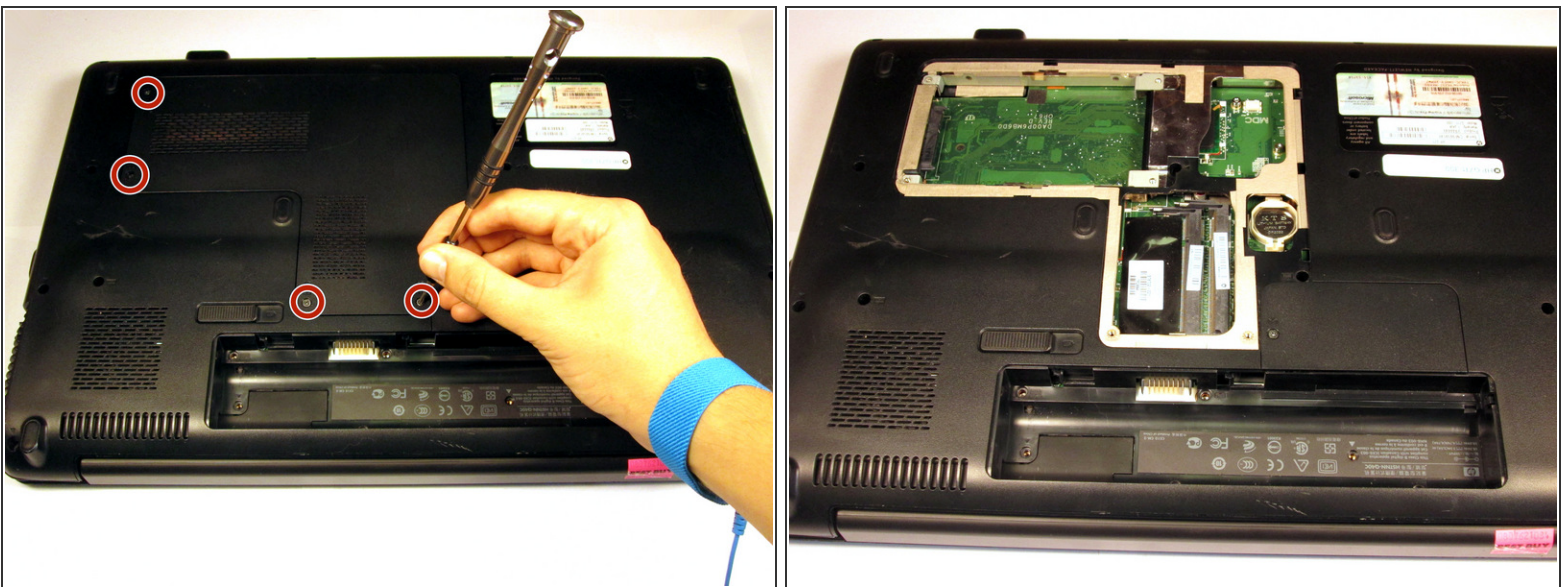
- [Arctic Silver Thermal Paste](#) (1)
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Step 1 — Keyboard



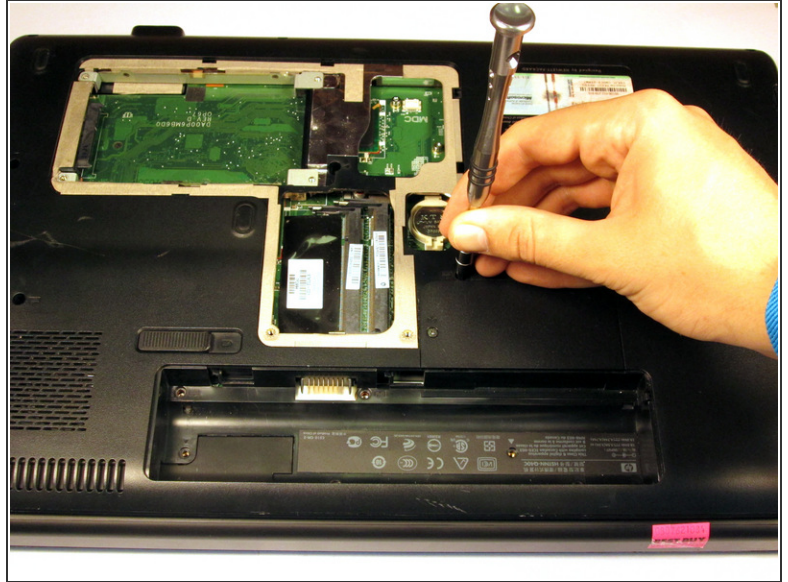
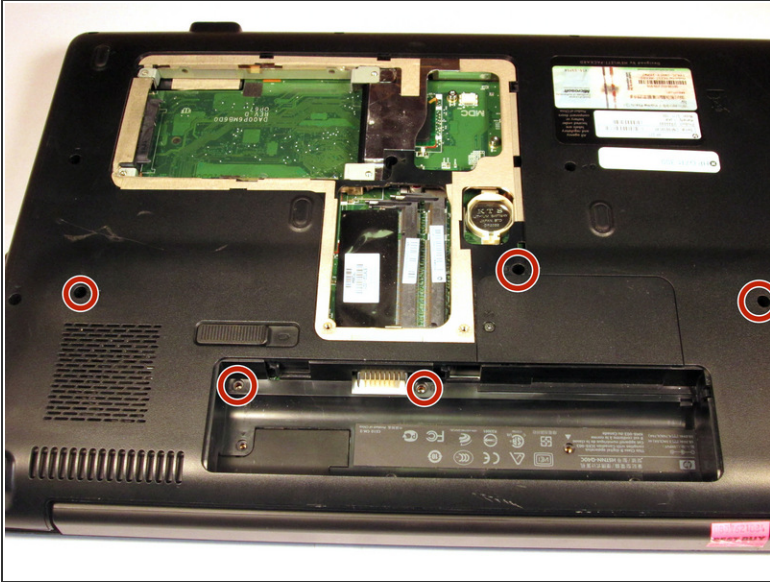
- Ground yourself by either touching an unpainted metal surface or by using the Anti-Static wrist strap.
- Turn off the computer and remove the charger from the charging port.
- Turn the laptop over and slide the battery release catch to the right. The battery will pop up from its slot. Remove it using your fingers.

Step 2



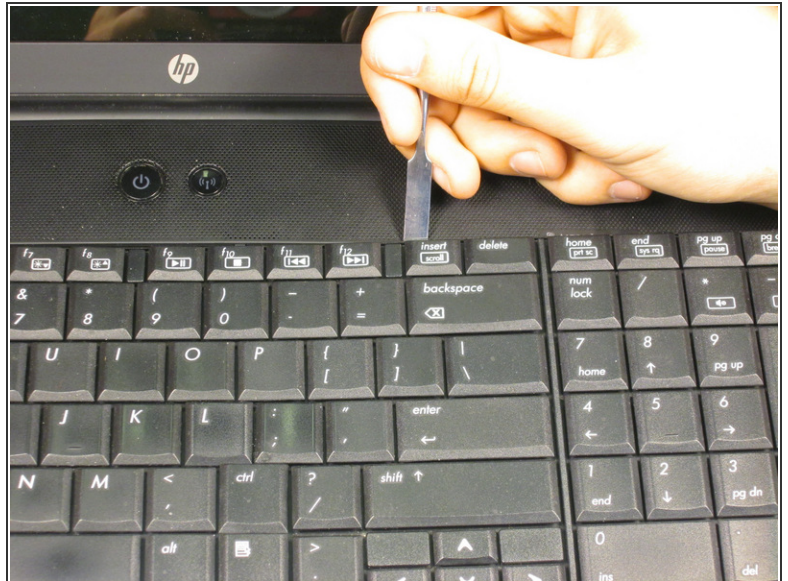
- Use a Phillips #0 screwdriver to remove the four screws from the indicated cover.
- Gently lift and remove the cover.

Step 3



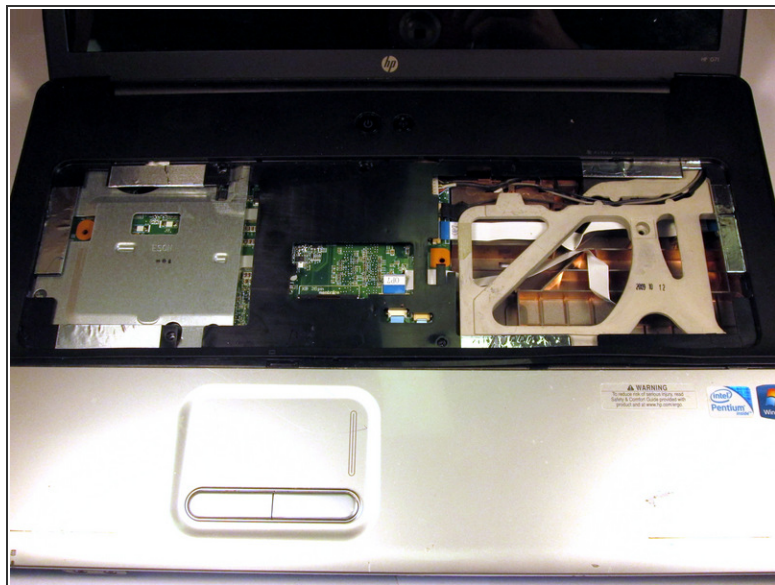
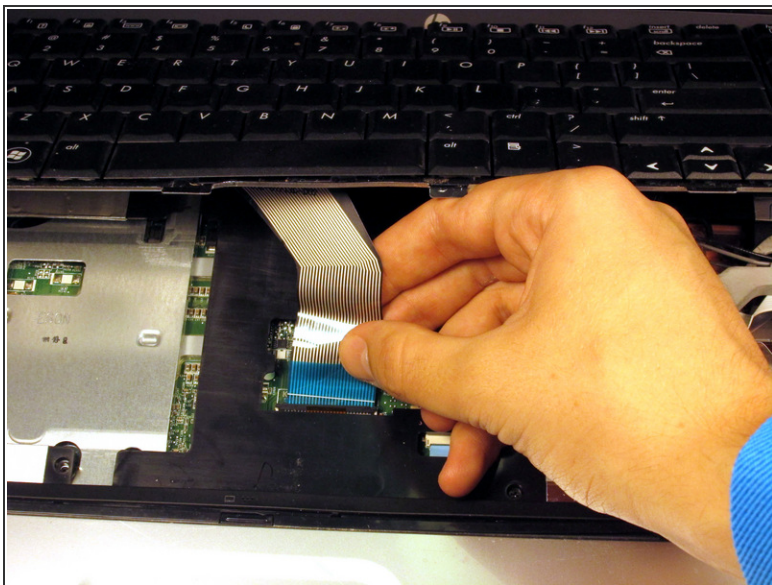
- Remove the five 6mm screws with the Phillips #0 screwdriver.

Step 4



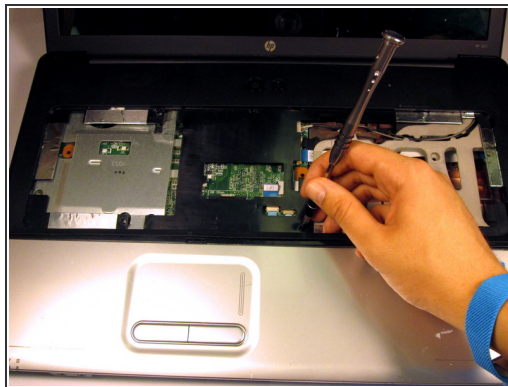
- Pry the keyboard off with a spudger. Be careful not to apply too much pressure and damage any components.

Step 5



- Disconnect the clip attaching the keyboard wiring to the motherboard. Lift and remove the keyboard.

Step 6 — Cooling Fan



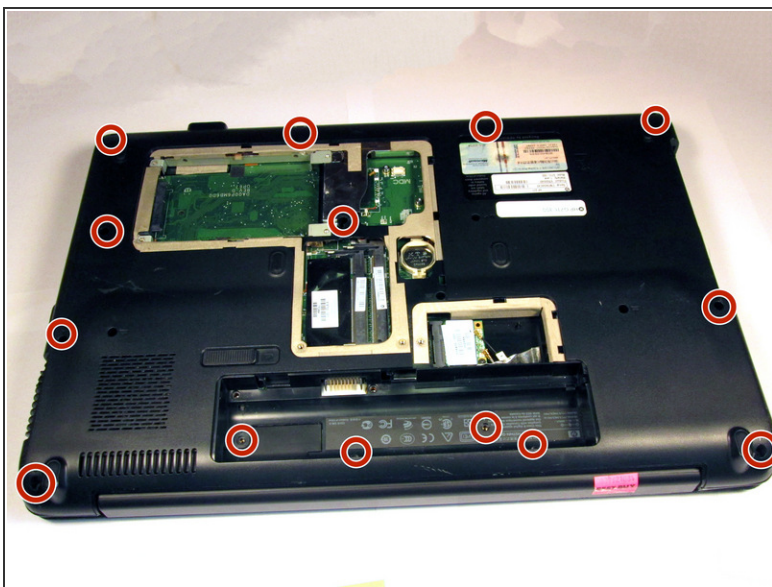
- Use a Phillips #0 screwdriver to remove the 6mm screw from the top panel.
- Gently lift and remove the panel. Use a metal spudger if the it seems set in place.

Step 7



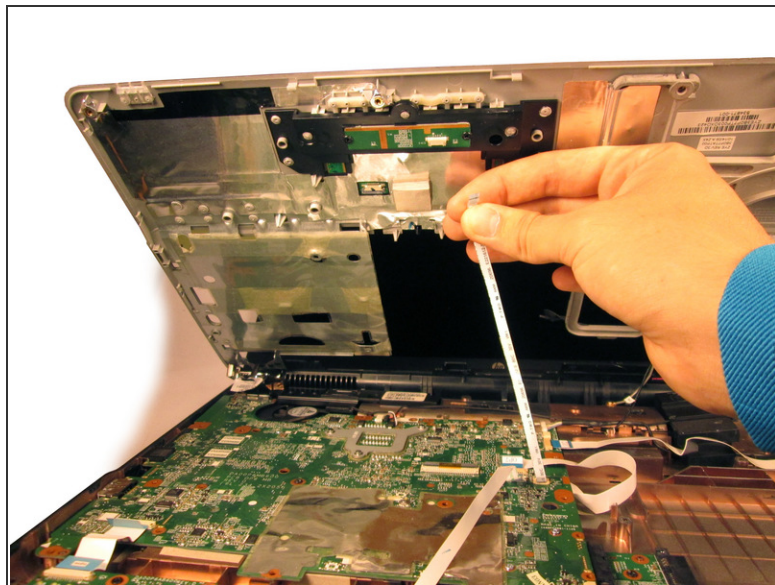
- Use a Phillips #0 screwdriver to remove the 6mm screw for the Wi-Fi module cover.
- Remove the cover.

Step 8



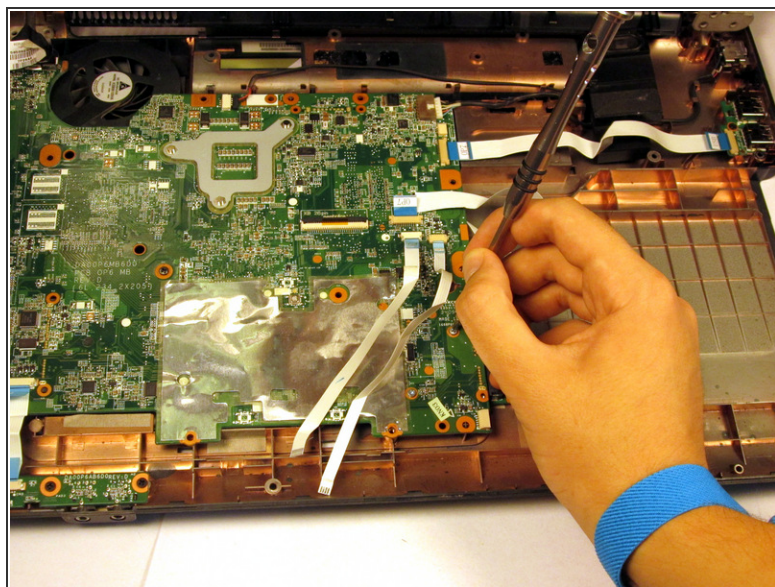
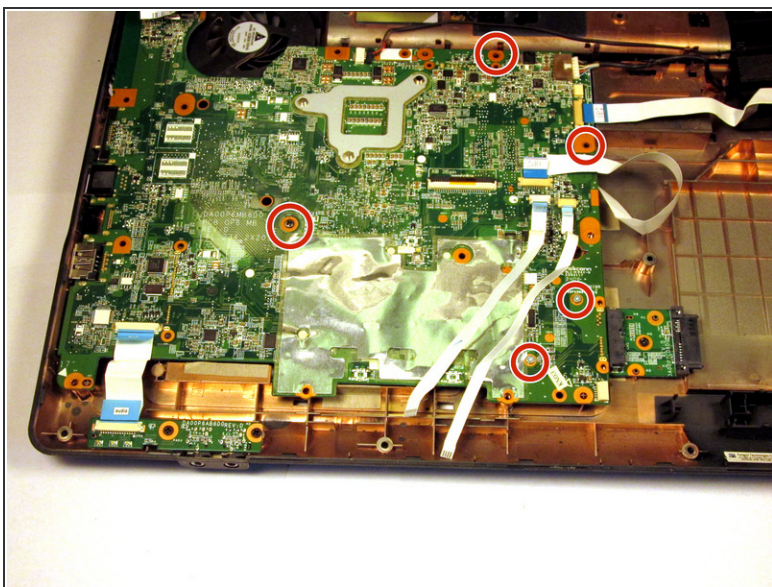
- Remove all fourteen 6mm screws using a Phillips #0 screwdriver.

Step 9



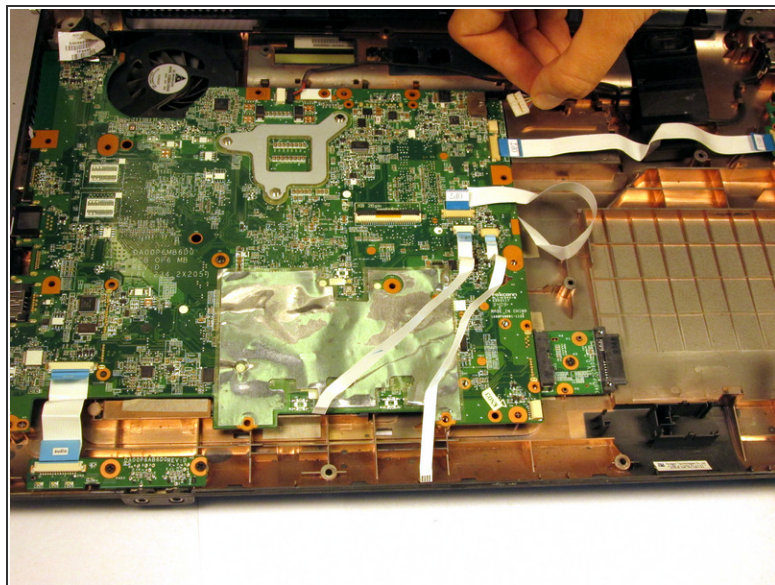
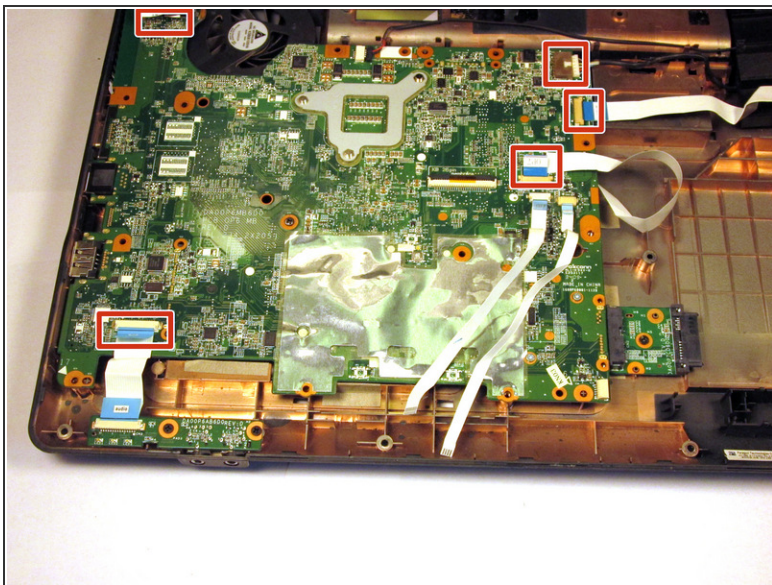
- Partially separate the two panels until connectors are visible.
- Unclip the wires that attach the trackpad module to the motherboard.

Step 10



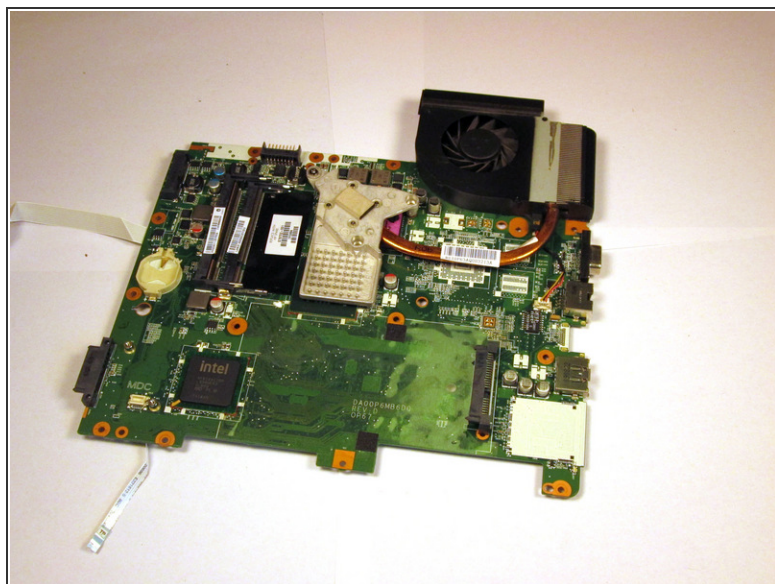
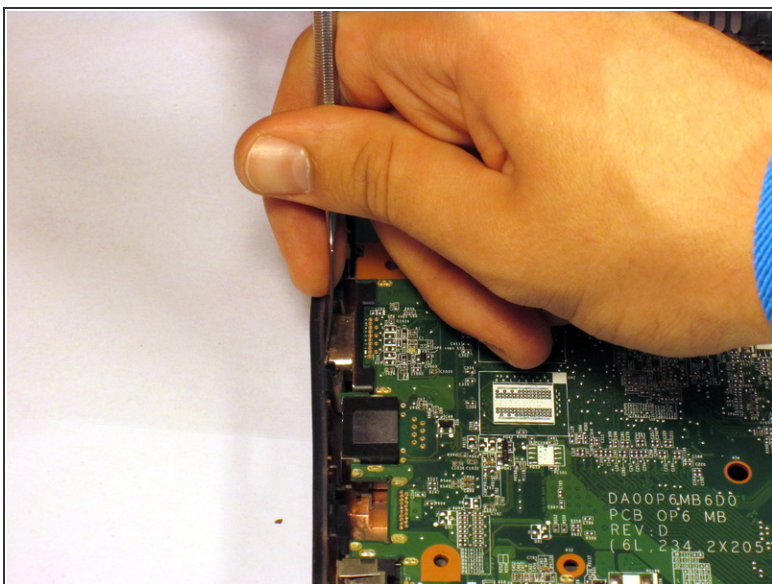
- Remove the five highlighted screws using a Phillips #0 screwdriver.

Step 11



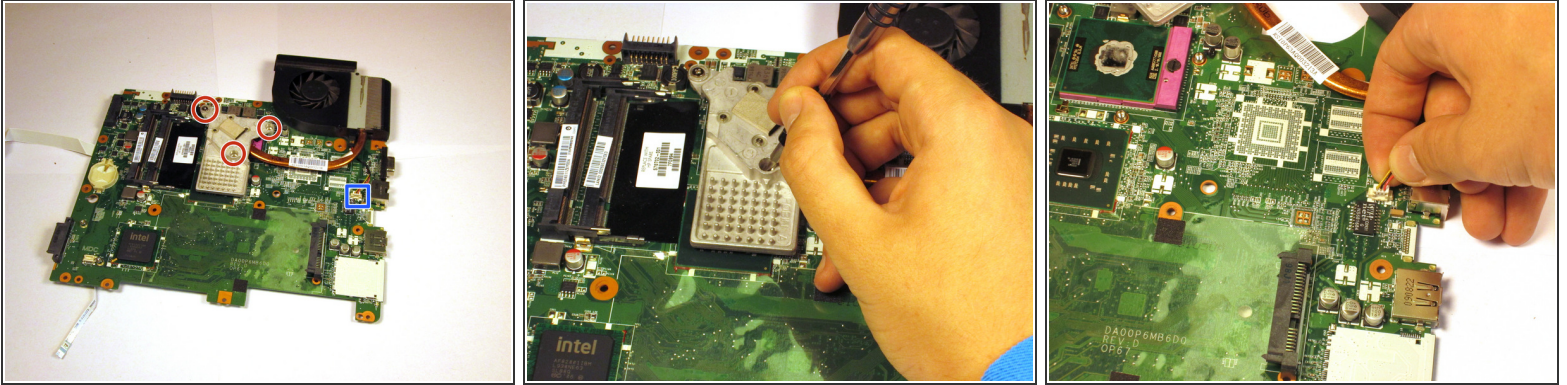
- Disconnect the five cables by gently pulling them from their slots.

Step 12



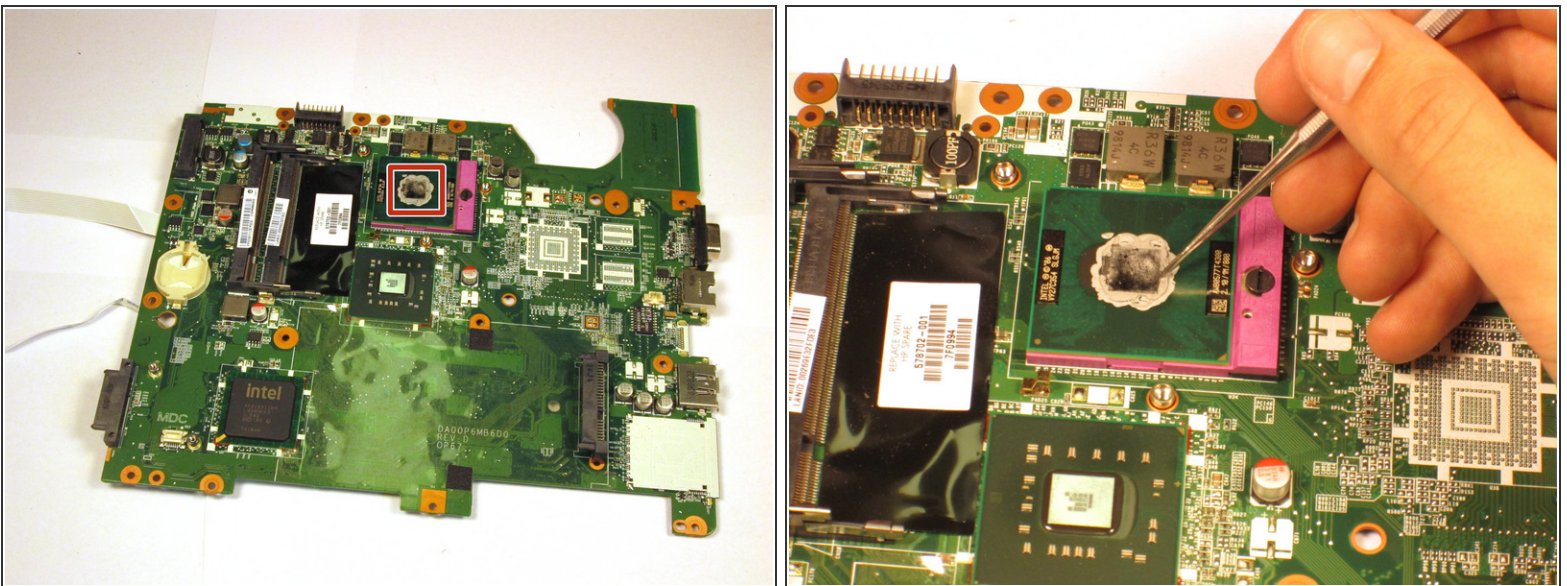
- Press a metal spudger between the VGA port and the plastic housing to pry up the motherboard.
- Remove the motherboard and turn it so that the fan is facing upward.

Step 13



- Use a Phillips #0 screwdriver to loosen the three screws attaching the heatsink to the motherboard.
- Remove the heatsink and fan assembly by unplugging the fan from the motherboard.

Step 14 — Thermal Paste



- Gently wipe the thermal paste off of the processor and heatsink using an alcohol pad or damp cloth. Let the components dry for a few minutes.
- Apply a pea sized amount of thermal paste to the processor and heatsink. Keep the paste thick to prevent forming air bubbles and reducing thermal performance.

To reassemble your device, follow these instructions in reverse order.

